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(54) Title: **ASSAYS FOR THE DIRECT MEASUREMENT OF GENE DOSAGE**

(57) Abstract: The present invention relates to compositions, methods, and kits for quantifying variations in gene copy number, e.g., of individual genes or of chromosomes or portions of chromosomes in an homogeneous reaction, without the need for target amplification, fragment size resolution, or microscopy.

WO 2005/007869 A2